AEE/SSD/SBR 69/15-16 Dated 30-5-2015

No. 1st & Final Part Bill Original/Duplicate/Triplicate Date : .....

Division DD

CONTRACT CERTIFICATE

(For Other Works)

Bill Received No. ..... Dated ..... Cash Book Voucher No. ..... Dated :.....

Scheduled Doctet No. ..... Sub-Division Head of Account .....

Name of work (as per sanctioned estimate) **DRILLING OF 7 NO'S OF BOREWELL & FIXING OF PUMP MOTOR AND NECESSARY ACCESSARIES AT RAVINDRANAGARA, KALYANANAGARA, MALLASANDRA COLONY, BHEL MINI COLONY, PRASHANTHNAGARA, DIFFERENT LOCATIONS IN WARD N0.13 IN SHETTYHALLI SUB DIVISION.**

Name of Contractor and Full Address **TECHNICAL MANAGER (WEST), KRIDL**

Reference to Agreement No. **EE/DD/WO/ 313 / 13-14** Date: **04.03.2014**

Certified that the measurements were taken by me on 30-5-15 and recorded in pages .....
of measurements Book No..... and that the work is satisfactorily executed.

Contractor (Technical Manager (TM-2)) Officer - in - charge of work

Certified that the measurements were checked by me on 30-5-2015 and found correct. The work is satisfactorily executed.
Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment **Job: 013-14-000033** *Sub - Division Officer*

			AMOUNT	
1.	Total value of work done or supplies made as per account.			
2.	Deduct amount to be held in reserve being ..... percent Rs.			
3.	- do - Balance	--		
4.	Deduct Payments :			
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No. ..... Amount adjusted towards cash advance recovery of			
	b) Payments cost store or other materials supplied.			
5.	Balance being unpaid value of work done held in reserve	Total --		
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments			
7.	Net amount due to or from contractor Unadjusted items			
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.			
		Total amount adjusted --		

Contractor Signature

Received Rs. ..... (in words)
.....
..... by cash and by adjustment of
Payment as per memorandum.

(For use in the Office)

Witnes sre : (In final settlement of all demand)

1.
2.

Date 30/5/15

Stamp

Signature of Contractor (Technical Manager (TM-2) KRIDL, Dasarahalli Zone, Bangalore)

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Executive Engineer

Items of work (grouped under sub-heads the sub works of the estimate)

1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)
	Anjaneyaswamy temple backside
	0.00 to 50.00 Mtr.
	50.00 to 100.00 Mtr.
	100.00 to 150.00 Mtr.
	150.00 to 200.00 Mtr.
	200.00 to 250.00 Mtr.
	250.00 to 300.00 Mtr.
	cambridge school near Ashwathkatte 5th cross road
	0.00 to 50.00 Mtr.
	50.00 to 100.00 Mtr.
	100.00 to 150.00 Mtr.
	150.00 to 200.00 Mtr.
	200.00 to 250.00 Mtr.
	250.00 to 300.00 Mtr.
	BHEL mini colony 3rd cross road
	0.00 to 50.00 Mtr.
	50.00 to 100.00 Mtr.
	100.00 to 150.00 Mtr.
	150.00 to 200.00 Mtr.
	200.00 to 250.00 Mtr.
	250.00 to 300.00 Mtr.
	Vishala public school road 3rd cross road
	0.00 to 50.00 Mtr.
	50.00 to 100.00 Mtr.
	100.00 to 150.00 Mtr.
	150.00 to 200.00 Mtr.
	200.00 to 250.00 Mtr.
	250.00 to 300.00 Mtr.
	Ward office opposite
	0.00 to 50.00 Mtr.
	50.00 to 100.00 Mtr.
	100.00 to 150.00 Mtr.

Previous Measuremen		Present Measurement			Total Up-to-date		Remarks
Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
		7.00	1938.46	13569.00	7.00	13569.00	
				0.00	0.00	0.00	
				0.00	0.00	0.00	
		50.00	315.18	15759.00	50.00	15759.00	
		50.00	412.00	20600.00	50.00	20600.00	
		50.00	458.35	22918.00	50.00	22918.00	
		50.00	484.10	24205.00	50.00	24205.00	
		50.00	560.32	28016.00	50.00	28016.00	
		50.00	600.49	30025.00	50.00	30025.00	
		0.00	0.00	0.00	0.00	0.00	
		50.00	315.18	15759.00	50.00	15759.00	
		50.00	412.00	20600.00	50.00	20600.00	
		50.00	458.35	22918.00	50.00	22918.00	
		50.00	484.10	24205.00	50.00	24205.00	
		50.00	560.32	28016.00	50.00	28016.00	
		40.00	600.49	24020.00	40.00	24020.00	
		0.00	0.00	0.00	0.00	0.00	
		50.00	315.18	15759.00	50.00	15759.00	
		50.00	412.00	20600.00	50.00	20600.00	
		50.00	458.35	22918.00	50.00	22918.00	
		50.00	484.10	24205.00	50.00	24205.00	
		50.00	560.32	28016.00	50.00	28016.00	
		50.00	600.49	30025.00	50.00	30025.00	
		0.00	0.00	0.00	0.00	0.00	
		50.00	315.18	15759.00	50.00	15759.00	
		50.00	412.00	20600.00	50.00	20600.00	
		50.00	458.35	22918.00	50.00	22918.00	
		50.00	484.10	24205.00	50.00	24205.00	
		50.00	560.32	28016.00	50.00	28016.00	
		50.00	600.49	30025.00	50.00	30025.00	
		0.00	0.00	0.00	0.00	0.00	
		50.00	315.18	15759.00	50.00	15759.00	
		50.00	412.00	20600.00	50.00	20600.00	
		50.00	458.35	22918.00	50.00	22918.00	

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	150.00 to 200.00 Mtr.
	200.00 to 250.00 Mtr.
	250.00 to 300.00 Mtr.
	Ucchangi temple
	0.00 to 50.00 Mtr.
	50.00 to 100.00 Mtr.
	100.00 to 150.00 Mtr.
	150.00 to 200.00 Mtr.
	200.00 to 250.00 Mtr.
	250.00 to 300.00 Mtr.
	BHEL mini colony, Uccharangaiah house road 2nd cross road
	0.00 to 50.00 Mtr.
	50.00 to 100.00 Mtr.
	100.00 to 150.00 Mtr.
	150.00 to 200.00 Mtr.
	200.00 to 250.00 Mtr.
	250.00 to 300.00 Mtr.
3	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continou welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in randon length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) (P.NO-III, I.NO-84, PRED 12 13 SR)
	Anjaneyaswamy temple backside
	cambridge school near Ashwathkatte 5th cross road
	BHEL mini colony 3rd cross road
	Vishala public school road 3rd cross road
	Ward office opposite
	Ucchangi temple
	BHEL mini colony, Uccharangaiah house road 2nd cross road
4	Providing and fixing 250mm dia PVC pipe and as per specification and directions. (BWSSB SR 13-14, P.No.53 I.no.1 c sl.no.11.)
5	175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)
6	M.S. Casing pipe collars 'C' Class (P.NO-III, I.NO-86, PRED 12-13 SR)
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep we submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pum close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinkin water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with require accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor sha from an integral unit with all the required fittings 15.000. HP 25 stage (P.NO-XXXXIII, I.NO-33, PWD SR 13-14)
8	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbow tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lea & lift etc,. complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe (SR 13-14 PWD, P.No.XVII Sl.no. 509)
	Anjaneyaswamy temple backside
	cambridge school near Ashwathkatte 5th cross road
	BHEL mini colony 3rd cross road
	Vishala public school road 3rd cross road
9	Providing & fixing socket GI (heavy duty collar) (P.NO-III, I.NO-86, PRED 12-13 SR)

/tr			50.00	484.10	24205.00	50.00	24205.00	
/tr			50.00	560.32	28016.00	50.00	28016.00	
/tr			40.00	600.49	24020.00	40.00	24020.00	
			0.00	0.00	0.00	0.00	0.00	
/tr			50.00	315.18	15759.00	50.00	15759.00	
/tr			50.00	412.00	20600.00	50.00	20600.00	
/tr			50.00	458.35	22918.00	50.00	22918.00	
/tr			50.00	484.10	24205.00	50.00	24205.00	
/tr			50.00	560.32	28016.00	50.00	28016.00	
/tr			50.00	600.49	30025.00	50.00	30025.00	
			0.00	0.00	0.00	0.00	0.00	
/tr			50.00	315.18	15759.00	50.00	15759.00	
/tr			50.00	412.00	20600.00	50.00	20600.00	
/tr			50.00	458.35	22918.00	50.00	22918.00	
/tr			50.00	484.10	24205.00	50.00	24205.00	
/tr			50.00	560.32	28016.00	50.00	28016.00	
/tr			20.00	600.49	12010.00	20.00	12010.00	
					0.00	0.00	0.00	
/tr			55.00	1364.75	75061.00	55.00	75061.00	
/tr			58.00	1364.75	79156.00	58.00	79156.00	
/tr			55.00	1364.75	75061.00	55.00	75061.00	
/tr			60.00	1364.75	81885.00	60.00	81885.00	
/tr			50.00	1364.75	68238.00	50.00	68238.00	
/tr			65.00	1364.75	88709.00	65.00	88709.00	
/tr			55.00	1364.75	75061.00	55.00	75061.00	
/tr			42.00	1133.00	47586.00	42.00	47586.00	
/tr			7.00	100.00	700.00	7.00	700.00	
/tr			350.00	150.00	52500.00	350.00	52500.00	
			4.00	71265.25	285061.00	4.00	285061.00	
					0.00	0.00	0.00	
			270.00	321.00	86670.00	270.00	86670.00	
			270.00	321.00	86670.00	270.00	86670.00	
			270.00	321.00	86670.00	270.00	86670.00	
			270.00	321.00	86670.00	270.00	86670.00	
					0.00	0.00	0.00	

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	Anjaneyaswamy temple backside
	cambridge school near Ashwathkatte 5th cross road
	BHEL mini colony 3rd cross road
	Vishala public school road 3rd cross road
10	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexibl copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable fo working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia (P.NO-535, I.NO-30 (c), BWSSB 12-13 SR)
	Anjaneyaswamy temple backside
	cambridge school near Ashwathkatte 5th cross road
	BHEL mini colony 3rd cross road
	Vishala public school road 3rd cross road
11	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proo the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc, completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)
12	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm (P.NO-530, I.NO-39 b, BWSSB SR 13-14)
13	Providing & Fixing of clamps set and borewell cap to the pump (MR)
14	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve. (PWD SR 13-14, P.NO.XXIV, Sl.no, 673)
15	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia (PWD SR 13-14, P.NO.XXIV, Sl.no, 659)
16	Providing and fixing of 50mm GI bend to motor (PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)
17	Providing and fixing of 50mm GI Nipple to motor (PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)
18	Providing and fixing of 50mm GI union to the motor ((PWD SR 13-14, P.NO.XXXVIII GI FITTINGS TABLE)
19	Labour Charges for end connection (MR)
20	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) (P.No - 564, I.No - 3, BWSSB SR 13-14)
21	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR)
22	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14)
23	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)
24	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (P.NO - 554, I.NO - 12 (b), BWSSB SR 13-14)
25	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (P.NO - 555, I.NO - 15 (b), BWSSB SR 13-14)

Nos			43.00	84.80	3646.00	43.00	3646.00	
Nos			39.00	84.80	3307.00	39.00	3307.00	
Nos			46.00	84.80	3901.00	46.00	3901.00	
Nos			41.00	84.80	3477.00	41.00	3477.00	
					0.00	0.00	0.00	
Mtr			540.00	164.29	88714.00	540.00	88714.00	
Mtr			540.00	164.29	88714.00	540.00	88714.00	
Mtr			540.00	164.29	88714.00	540.00	88714.00	
Mtr			540.00	164.29	88714.00	540.00	88714.00	
Nos			4.00	10000.00	40000.00	4.00	40000.00	
Sqm			88000.00	0.34	29911.00	88000.00	29911.00	
Nos			4.00	450.00	1800.00	4.00	1800.00	
Nos			12.00	1600.00	19200.00	12.00	19200.00	
Nos			12.00	1145.00	13740.00	12.00	13740.00	
Nos			12.00	219.00	2628.00	12.00	2628.00	
Nos			12.00	104.30	1252.00	12.00	1252.00	
Nos			12.00	223.70	2684.00	12.00	2684.00	
Nos			1.00	400.00	400.00	1.00	400.00	
Length			208.00	90.64	18853.00	208.00	18853.00	
Nos			4.00	475.00	1900.00	4.00	1900.00	
Nos			4.00	906.40	3626.00	4.00	3626.00	
Mtr			140.00	169.95	23793.00	140.00	23793.00	
Mtr			140.00	56.65	7931.00	140.00	7931.00	
Mtr			12.00	294.58	3535.00	12.00	3535.00	

26	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board usi 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charoc 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe sh have 16 through holes of 122mm dia (P.NO - 552, I.NO - 7 , BWSSB SR 13-14)
27	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulati compound complete with terminals, clamps, bolts nuts and washers etc, (P.NO - 555, I.NO - 16 (b) , BWSSB SR 13-14)
28	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roati machinery capacitor in KVAR rating No's. (MR)
29	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including lead and lift etc,. Complete. 50mm dia (P.NO - 103, I.NO - 13.79.6, PWD SR 13-14)
30	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inch (P.NO - 521, I.NO - 2 (f), BWSSB SR 13-14)
31	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trench 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits ar trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete per specifications (P.NO - 5, I.NO - 2.4, PWD SR 13-14)
32	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labo including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approv type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms wi gravel or selected earth available from the excavation etc., complete (P.NO - 102, I.NO - 13.73.1, PWD SR 13-14)
33	Providing and installation at site of work 20mm GI Pipes including cost of pipes and specials and labour including lowering in treanches, laying true to line, complete As per Direction of Engineer incharge for Public Taps. For Motor / Pipe line
34	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO 6, I.NO - 2.11, PWD SR 13-14)
35	KPTCL Deposit charges
	Sub Total
36	Add 10% KRIDL chrages + 1% Cess
37	Water Quality testing Charges
38	Borewell registrastion charges to BWSSB
	GRAND TOTAL

CERTIFICATE:

1 Work done is satisfactory
2 There are no departmental issuesmade to the contractor
3 The contractor has cleared all debrice from work spot

ng al Gl all	Nos			4.00	1699.50	6798.00	4.00	6798.00	
ng	Nos			4.00	271.92	1088.00	4.00	1088.00	
ng	Nos			4.00	1350.00	5400.00	4.00	5400.00	
all	Nos			12.00	1515.80	18190.00	12.00	18190.00	
on es	Nos			4.00	311.58	1246.00	4.00	1246.00	
es d as	Cum			140.40	173.84	24407.00	140.40	24407.00	
r, d h	Mtr			260.00	110.24	28662.00	260.00	28662.00	
o	Cum			48.00	193.98	9311.00	48.00	9311.00	
y -	Cum			140.40	59.36	8334.00	140.40	8334.00	
	Nos			4.00	11000.00	44000.00	4.00	44000.00	
						2937779.00		**2937779.00**	
						323156.00	0.00	323156.00	
				4.00	1200.00	4800.00	4.00	4800.00	
				7.00	1000.00	7000.00	7.00	7000.00	
						3272735.00		**3272735.00**	

ಹಾವೇರಿ ಜಿಲ್ಲಾಪಂಚಾಯತ್ ಸಿ.ಇ.ಒ.
ಮುಖ್ಯ ಯೋಜನಾಧಿಕಾರಿ, ಜಲಾನಯನ ಅಭಿವೃದ್ಧಿ ಘಟಕ
ಜಿಲ್ಲಾ ಪಂಚಾಯತ್ ಹಾವೇರಿ ಜಿಲ್ಲೆ
ಹಾವೇರಿ ಜಿ. ಪಂ. ಆವರಣದಲ್ಲಿ, ಹಾವೇರಿ